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		2005 Mathen	
		Curriculum Frai	
Connecticut Mathem	atics		
Grade 5			
Activity/Lesson	State	Standards	
History of Aviation	СТ	MA.5.3.3.a	Solve problems in the measure of time and in converting units of length in the customary and
Propulsion (pgs. 5-9)	СТ	IVIA.5.3.3.a	metric systems using specific ratios.
Physics and Math (pgs. 43-63)	СТ	MA.5.1.2.a	Students should represent and analyze quantitative relationships in a variety of ways: Recognize that a change in one variable may relate to a change in another variable.
Physics and Math (pgs. 43-63)	СТ	MA.5.2.1.d	Students should understand that a variety of numerical representations can be used to describe quantitative relationships: Represent ratios and proportions and solve problems using models and pictures.
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Grade 6	41105		
Activity/Lesson	State	Standards	
Types of Engines (			Use specific ratios to convert between measures of length, area, volume, mass and capacity in
pgs. 11-23)	СТ	MA.6.3.3.b	the customary and metric systems.
Chemistry (pgs. 25-41)	СТ	MA.6.3.1.b	Students should use properties and characteristics of two- and three-dimensional shapes and geometric theorems to describe relationships, communicate ideas and solve problems: Examine the relationships between the measures of area of 2-dimensional objects and volumes of 3-dimensional objects.
Chemistry (pgs. 25-			Students should develop and apply units, systems, formulas and appropriate tools to estimate and measure: Use specific ratios to convert between measures of length, area, volume, mass and capacity in the customary
41)	СТ	MA.6.3.3.b	and metric systems.  Students should understand that a variety of numerical representations can be used to describe quantitative relationships: Compare
Physics and Math (pgs. 43-63)	СТ	MA.6.2.1.d	quantities and solve problems using ratios, rates and percents.
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Grade 8	41103		
Activity/Lesson	State	Standards	

CT	MA.8.3.1.a MA.8.3.3.a	Students should use properties and characteristics of two- and three-dimensional shapes and geometric theorems to describe relationships, communicate ideas and solve problems:Explore the relationships among sides, angles, perimeters, areas, surface areas and volumes of congruent and similar polygons and solids.  Students should develop and apply units, systems, formulas and appropriate tools to estimate and measure: Use a variety of concrete methods, including displacement, to find volumes of solids.
		Students should use numbers and their
		properties to compute flexibly and fluently, and
		to reasonably estimate measures and quantities:
		Solve problems involving fractions, decimals,
СТ	MA.8.2.2.a	ratios and percents.
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State	Standards	
СТ	MA.9-12.1.2.a	Students should represent and analyze quantitative relationships in a variety of ways: Represent and analyze linear and nonlinear functions and relations symbolically and with tables and graphs.
	CT CT natics State	CT MA.8.3.3.a  Pushing the Engagement 2005 Mathematics Curriculum Framematics State Standards